

Supplemental Material to:

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**QKI impairs self-renewal and tumorigenicity of oral cancer
cells via repression of SOX2**

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Table S1. Primers and sequences used in the experiment

Gene	Forward primer	Reverse primer
QKI	5'-TAGCAGAGTACGGAAAGACATG-3'	5'-GGGTATTCTTTACAGGCACAT-3'
GAPDH	5'-GACCTGACCTGCCGTCTA-3'	5'-AGGAGTGGGTGCGCTGT-3'
E-cadherin	5'-ACGCATTGCCACATACACTC-3'	5'-CACCTCCATGACAGACCC-3'
CXCR4	5'-AATCTCCTGCCACCACATCTA-3'	5'-AGCCTGTAATTGTCGTCAT-3'
NANOG	5'-AACTGGCCGAAGAACAGCAA-3'	5'-AGGCATCCCTGGTAGG-3'
OCT4	5'-AGTGAGAGGCAACCTGGAG-3'	5'-CACTGGACCACATCCTC-3'
c-Myc	5'-CGAGTCGTAGTCGAGGTCAT-3'	5'-AGCTGCTTAGCAGCCTGGATT-3'
Snail	5'-CGAGCTGCAGGACTCTAAT-3'	5'-CCACTGTCCTCATCTGACA-3'
vimentin	5'-GAGAACTTGGCGTTGAAGC-3'	5'-TCCAGCAGCTCCTGTAGGT-3'
HIF1a	5'-GAAACTTGGATGCTGGTGT-3'	5'-AGCAGGTCAAGGTGGTTCT-3'
cyclin-D1	5'-TGTGCATCTACACCGACAAC-3'	5'-AGGAAGTGTCAATGAAATCGT-3'
CD44	5'-AAAGGAGCAGCACTTCAGGA-3'	5'-TGTGCTTGGCTCTGGTAGC-3'
KLF4	5'-CCAGGCACTACCGTAAACACA-3'	5'-GGTCCGACCTGGAAAATGCT-3'
Cytokeratin5	5'-CTCAAGCCATGTTTATCC-3'	5'-GATTGAAGCAGAATATAGAAC-3'
Cytokeratin14	5'-GCCTGCTGAGATCAAAGACT-3'	5'-CACTGTGGCTGTGAGAATCTT-3'
RAR β	5'-TTGAGGAACCGACAAAGTAG	5'-CTGCACCTTAGCACTGATG-3'
Cytokeratin-13	5'-AGAGGAGATGAAGGAATTAGCA-3'	5'-CTCTGGCGTGGAACCA-3'
involucrin	5'-TCCAGTCATAACCCATCAGG	5'-CAGTCCCTTACAGCAGTCAT-3'
SOX 2(qPCR)	5'-TACAGCATGTCCTACTCGCAG	5'-GAGGAAGAGGTAAACCACAGGG-3'
SOX 2(RT-PCR)	5'-AAAGTTCTAGTGGTACGGTAGG-3'	5'-GGATTCTCGGCAGACTGATT-3'
SOX2 3'UTR	5'-GGGTCTAGACACGGCCATTAACGGCACACTG-3'	5'-CCCGATATCTTCAGTGTCCATATTCAA-3'
SOX2 3'UTR truncation	5'-GGGTCTAGACACGGCCATTAACGGCACACTG-3'	5'-CCCGATATCTCAAATATACATGGATTCTCGG-3'
β -actin(RT-PCR)	5'-AGCGGGAAATCGTGGTGAC-3'	5'-TGGAGGTGGACAGCGAGGC-3'
siRNA	Sense	Anti-sense
SOX2 RNAi 1#	5'-AAAACCAAGACGUCAUGAAG-3'	5'-CUUCAUGAGCGUCUUGGUUUU-3'
SOX2 RNAi 2#	5'-GGAGCACCGGAAUUAUAAAUA-3'	5'-UAUUUAUAAUCGGGUGCUCC-3'
NC RNAi	5'-UUCUCCGAACGUGUCACGUTT-3'	5'-ACGUGACACGUUCGGAGAATT-3'

Table S2. Summary of clinicopathologic variables

Characteristic	Number of Patients
Patients	50
Sex	
Male	28
Female	22
Age (y)	36–79, median ± SD = 56.08 ±12.80
Lymph node metastasis	
Absent (N0)	47
Present (N1)	3
TNM stage	
I	20
II	24
III	5
IV	1
Differentiation status	
Well	38
Moderately	7
Poor and undifferentiatedly	5